ABSTRACT OF THE DISCLOSURE

In an apparatus for measuring a specific absorption rate (SAR), a first near magnetic field distribution of a radio wave radiated from an array antenna of a reference antenna including a plurality of minute antennas is measured, and an SAR distribution with respect to the radio wave radiated from the array antenna is measured with a predetermined phantom. Then a distribution of a transformation coefficient α is calculated by dividing the measured SAR distribution by a square of the measured first near magnetic field distribution, a second near magnetic field distribution of a radio wave radiated from a measured radio communication apparatus is measured, and an SAR distribution with respect to the radio wave radiated from the radio communication apparatus is calculated by multiplying a square of the measured second near magnetic field distribution by the calculated distribution of the transformation coefficient α.